XXXIX General Meeting

of the

American Electrochemical Society

ATLANTIC CITY, N. J.

April 21, 22, 23, 1921

LOCAL COMMITTEE.

Carl Hering, Chairman

G. H. Clamer	Chas. J. Russell
A. E. Gibbs	S. S. Sadtler
Henry Hess	W. T. Taggart
Frank Hodson	C. B. Thwing
H. S. Miner	Chas. Wirt

LADIES' COMMITTEE.

Mrs. Henry Hess, Chairman

Mrs. Clamer	Mrs. Hodson
Mrs. Dodge	Mrs. Northrup
Miss Gibbs	Mrs. Russell

Mrs. Sadtler

GENERAL INFORMATION.

HOTEL HEADQUARTERS.

Headquarters will be at the Chalfonte Hotel, Boardwalk and North Carolina Avenue. A list of other hotels and their rates will be found on the last page of this program. Members are advised to make reservations as soon as practicable, in order to get the accommodations they desire.

Registration will begin at 6 P.M., Wednesday, April 20, on the ground floor of the hotel. The registrar will distribute badges, papers and programs, and give other information.

Guests should be introduced by members, will sign the registration book, and will be given special badges. They may attend the sessions and receive such other courtesies as may be extended to them by the Local Committee or Officers of the Society. Applicants for admission to the Society who have paid the entrance fee may register at the meeting as members and wear the member's badge.

Business Sessions will be held in the assembly room on the ground floor of the Hotel Chalfonte; evening sessions in the auditorium of the same hotel, across the street.

ATTENDANCE OF LADIES.

Ladies will be especially welcome, and their comfort will be looked after by the Ladies' Committee. They may register as guests. Atlantic City is well-known for the variety of amusements and attractions which it offers, not to speak of the ozone in the air and the opportunities for sport and recreation. A theater party is being arranged for the evening of April 21.

SPORTS AND RECREATION.

An innovation in our Meetings will take the form of competitive sports and recreations. Members may take part in golf, trap or rifle-shooting, billiards, chess, yachting, dancing and theater going. Prizes are arranged for the best records in the sports, kindly donated by friends of the Society. The afternoons of Thursday, 21st, and Friday, 22nd, are to be given over entirely to these events, in charge of the Sports and Recreations Committee, Mr. A. E. Gibbs, Chairman. Details of entry, time and place of contests, will be posted at the registrar's desk.

PROGRAM.

WEDNESDAY, APRIL 20, 1921.

6:00 P.M. Registration commences at Registrar's Desk, ground floor of Chalfonte Hotel.

THURSDAY, APRIL 21, 1921.

9:30 A.M. Session for Reading and Discussion of Papers.

SYMPOSIUM ON "CORROSION"

(2) Wm. H. Walker: Introduction to Symposium on Corrosion of Iron and Steel.

(16) W. D. Richardson: The Gap between Theory and Practice in the Production of Corrosion-Resisting Iron and Steel.

(22) A. S. Cushman and G. W. Coggeshall: Anomalies Encountered in a Study of Immersion Tests of Iron and Steel.

(6) D. M. Buck: Some Observations on the Mechanism of the Increased Corrosion Resistance of Steel and Iron due to Small Copper Contents.

(17) J. M. Aupperle and D. M. Strickland: Observations on the Corrosion of Iron and Steel.

(5) F. N. Speller: Practical Means of Preventing Corrosion of Iron and Steel where not Exposed Directly to the Atmosphere.

(14) O. P. Watts and H. C. Knapp: The Effect of Copper and Silver Salts on the Corrosion of Iron by Acids.

NOTES.

(Numbers prefixed to papers on program indicate papers printed in advance, numbered correspondingly.)

(7) E. A. Richardson and L. T. Richardson: The Corrosion of Old Iron.

(3) O. W. Storey: The Corrosion of Steel Ranges.

(28) B. G. Worth: Unusual Boiler Tube Corrosion by Carbon Dioxide.

(29) T. S. Fuller: Experiments on the Corrosion of Iron and Steel.

2:00 P.M. Sports and Recreations. Contests, etc., under direction of the Sports and Recreations Committee, Mr. Gibbs, Chairman, and several Subcommittees. Full information at the Registrar's Desk.

6:00 P.M. The Board of Directors will hold a Dinner-Meeting, at the Hotel Chalfonte, for transaction of usual business.

8:00 P.M. Meeting in the Auditorium of the Chalfonte Hotel (across North Carolina Avenue from the hotel).

Award of Prizes for the Sport Contests held Thursday.

Lecture by Mr. R. B. Moore, of the Bureau of Mines, Washington, D. C., on "Helium and Other Rare Gases."

After the lecture, informal discussion and conversazione.

FRIDAY, APRIL 22, 1921.

9:30 A.M. Annual Business Meeting of the Society.

Report of the Board of Directors.
Announcement of Annual Election.
Reports of various Committees.
Amendments to the Constitution.

NOTES.

Presidential Address of the Retiring President, Mr. W. S. Landis. Title: "Our Inventory."

Reading and Discussion of Papers:

Symposium on Corrosion (continued):

(30) John F. Thompson: A Practical Aspect of the Corrosion Problem.

(11) H. A. Gardner: Metal Protective Paints.

(10) O. P. Watts: Principles of Alloying to Resist Corrosion.

(9) H. S. Rawdon: Some Types of Non-Ferrous Corrosion.

(4) E. R. Shepard: Electrolytic Corrosion of Lead by Continuous and Periodic Currents.

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(8) O. H. Eschholz: Phenomena of Arc Welding.

(24) H. W. Gillett: Electric Furnaces for Non-ferrous Metals.

(19) Carl Hering: Electrodynamic Forces in Electric Furnaces.

(18) E. F. Northrup: Recent Progress in High Frequency Induction Heating.

(20) W. G. Mylius: The Regulation of Electric Steel Arc Furnaces Using Movable Electrodes.

2:00 P.M. Sports and Recreations, Contests, etc., under the direction of the Sports and Recreations Committee, Mr. Gibbs, Chairman, assisted by several Sub-Committees. Full information at the Registrar's Desk.

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8:00 P.M. Meeting in the Auditorium of the Chalfonte Hotel, across the street from the hotel.

Award of Prizes for the Sport Contests held on Friday.

Exhibition of Moving Pictures of Industrial Plants:

The Chuquicamata, Chile, Copper Extraction Plant of the Chile Exploration Company.

The Muscle Shoals Nitrate Plant of the American Cyanamid Company.

Dancing after the picture show in the same hall, as soon as the seats can be removed.

SATURDAY, APRIL 23, 1921.

9:30 A.M. Reading and Discussion of Papers:

*T. R. Briggs and W. J. Bartlett: Adsorption of Arsenious Oxide by Metastannic Acid.

(13) L. Kahlenberg and W. J. Trautmann: Reduction by Means of Silicon.

(31) A. W. Laubengayer: The Apparent Irreversibility of the Calomel Electrode.

(15) Theo. W. Case: A Photo-Electric Effect in Audion Bulbs of the Oxide-Coated Filament Type.

(26) S. E. Sheppard: Electrochemical Aspects of Photographic Development.

* This paper, from a previous meeting, will be called up for discussion only, having been already printed in Vol. XXXVII.

NOTES.

(27) A. S. McDaniel, L. Schneider and A. Ballord: The Electrolytic Manufacture of Paraminophenol.

(1) W. A. Noyes, Jr.: Some Aspects of Electrolytic Iron.

(21) Wm. Blum: Use of Fluorides in Solutions for Nickel Deposition.

(23) C. P. Madsen: Ductile Electrolytic Nickel.

(12) C. W. Hazelett: A New High Capacity Storage Battery.

(25) C. W. Marsh: Marsh Electrolytic Cell Batteries for Chlorine, Caustic Soda and Hydrogen.

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HOTELS.

NAME (All on American Plan)	Single Room		Double Room	
	With Running Water	With Bath	With Running Water	With Bath
Chalfonte (Headquarters).	$7 to $9	$9 to $11	$13 to $16	$14 to $20
Haddon Hall	7 to 9	9 to 11	13 to 16	14 to 20
St. Charles	8.00	.....	14.00	16 to 24
Cheltenham-Revere	5 and 6	.....	8 to 10	10 to 14

OFFICERS OF THE SOCIETY.

PRESIDENT

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W. D. Bancroft

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SECRETARY

Jos. W. Richards, Lehigh University
Bethlehem, Pa.

LOCAL SECTIONS OF THE SOCIETY.

Wisconsin Section (Madison, Wis.)

C. F. Burgess, Chairman, Madison, Wis.
O. P. Watts, Secretary, University of Wisconsin.

Philadelphia Section

Carl Hering, Chairman, Philadelphia, Pa.
S. S. Sadtler, Secretary, Philadelphia, Pa.

New York Section

C. A. Doremus, Chairman, New York City.
H. B. Coho, Secretary, New York City.

Pittsburgh Section

Earl Blough, Chairman, New Kensington, Pa.
C. B. Gibson, Secretary-Treasurer, Pittsburgh, Pa.

Niagara Falls Section

A. H. Hooker, Chairman, Niagara Falls, N. Y.
W. A. McKnight, Secy-Treas., Niagara Falls, N. Y.

Entrance Fee, $5.00. (Students are exempt from paying entrance fee.) Yearly Dues, $5.00. Application blanks and any other information may be obtained from the Secretary. Each member receives the Publications of the Society, in pamphlet form, containing the papers and discussions of the General Meetings of the Society. Members can obtain the bound volumes of Transactions for an extra payment of $5.00 per year.